

FIGURE 1

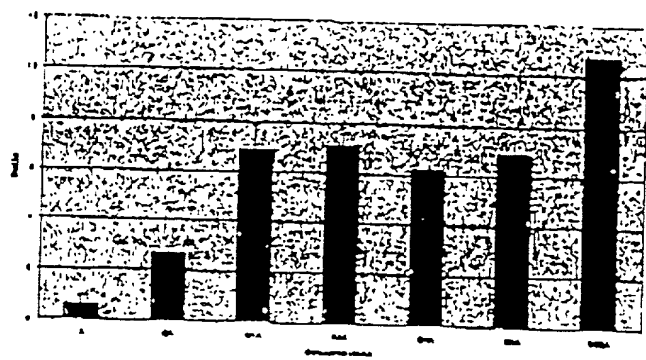
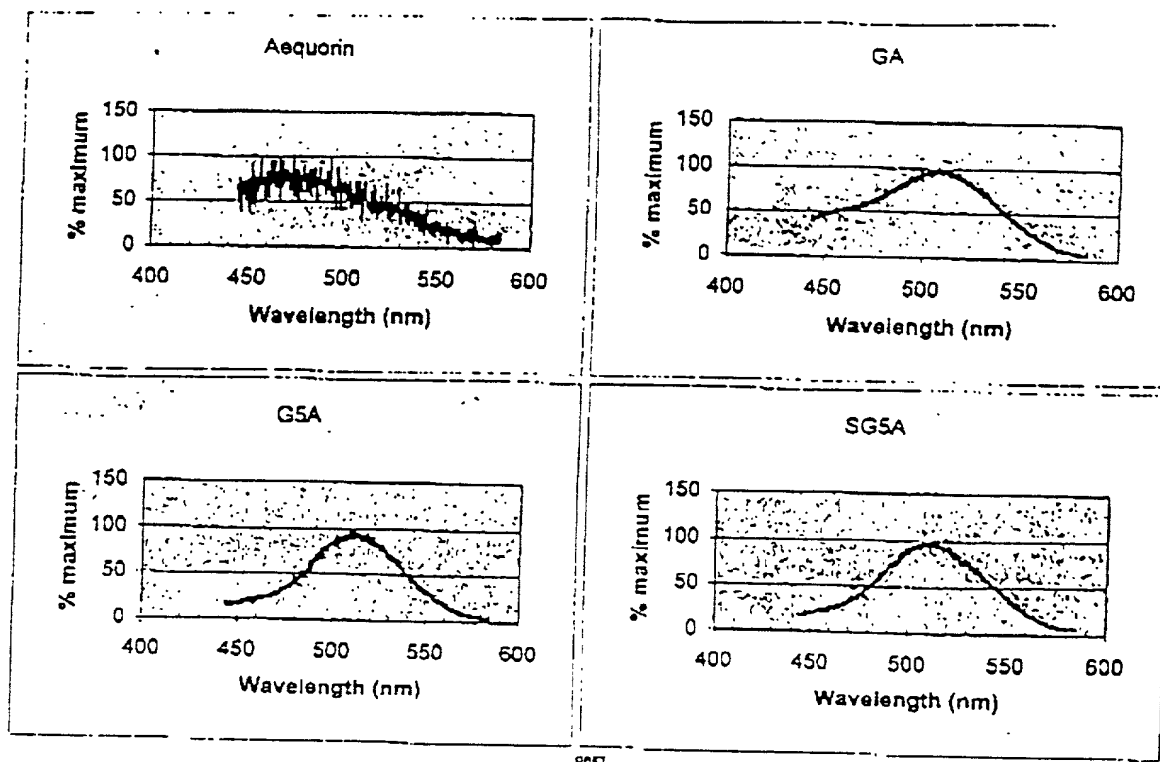


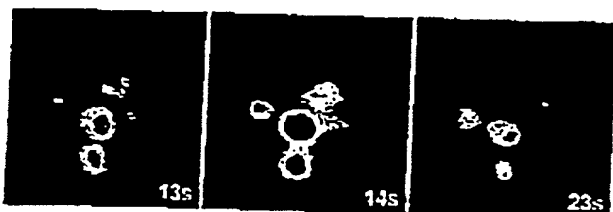
FIGURE 2

Figure 1 consists of six panels, labeled A through F, arranged in a 2x3 grid. Each panel shows a fluorescence micrograph of cells. Panels A and B show cells with a single, bright fluorescent spot. Panels C and D show cells with multiple, bright fluorescent spots. Panels E and F show cells with a large, diffuse fluorescent area.

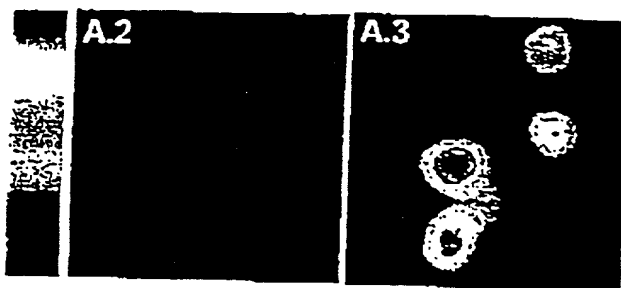
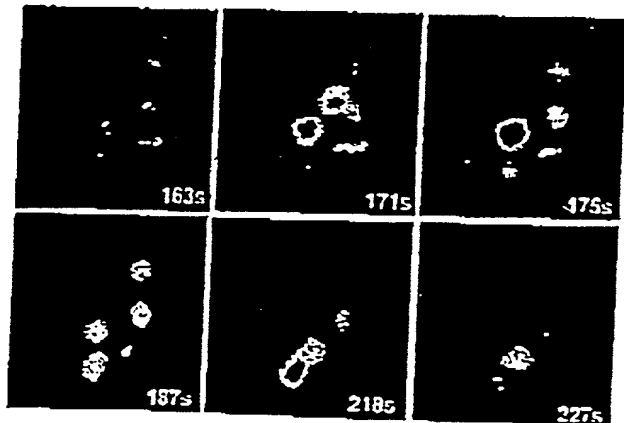
FIGURE 3

A.1

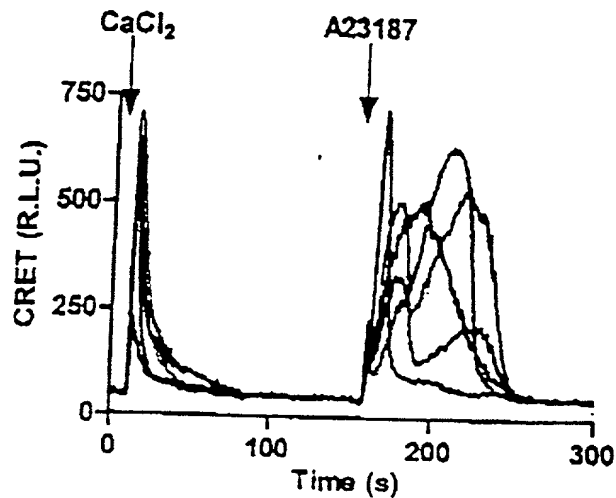
CaCl<sub>2</sub>



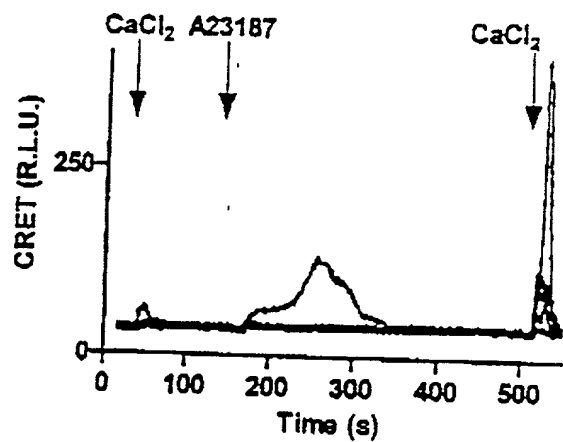
A23187



A.4



B



C

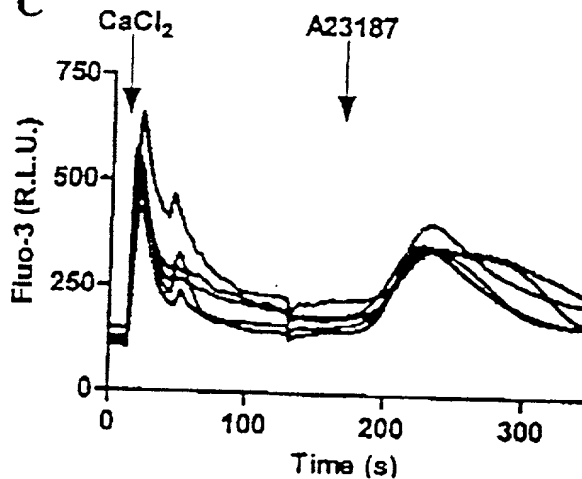


FIGURE 4

### Protein stability

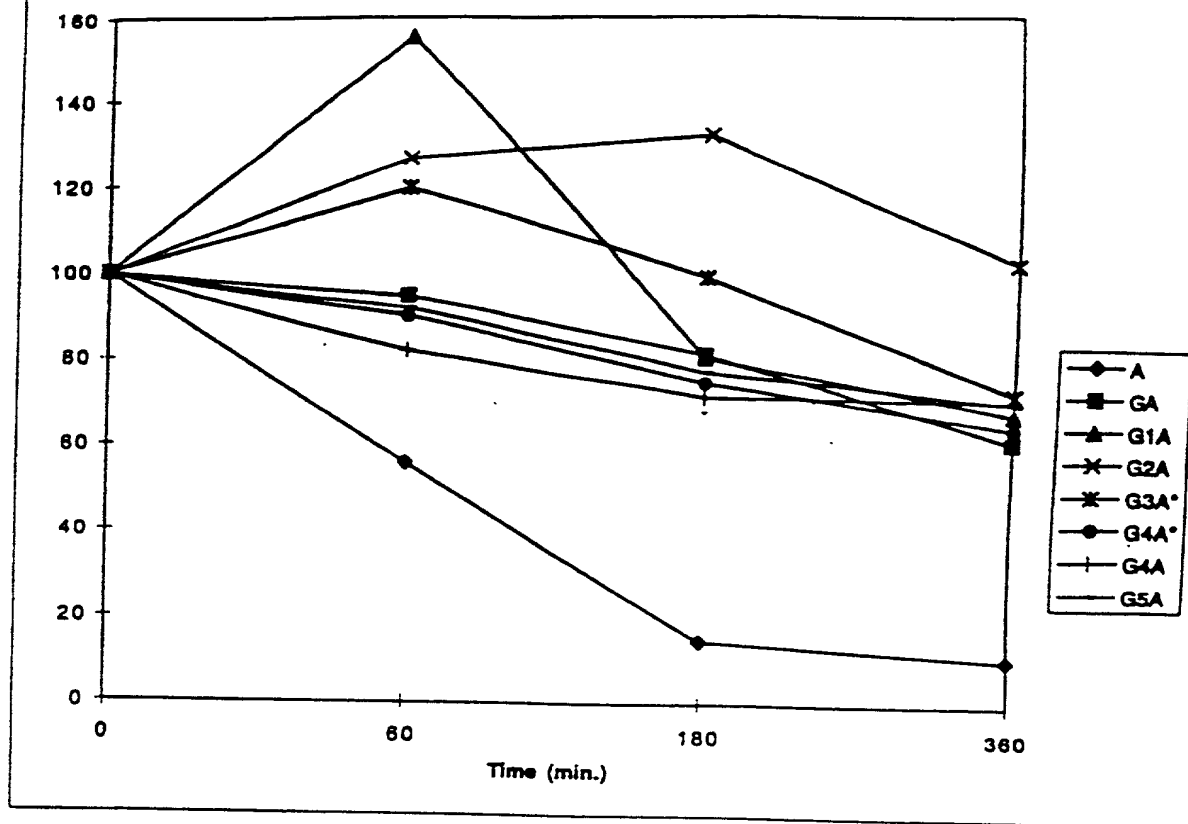
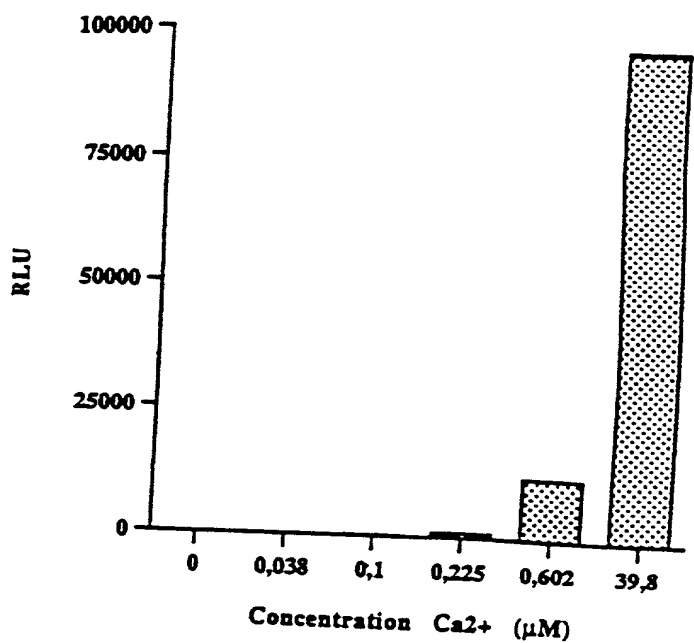


FIGURE 5

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### Aequorine



### G5A

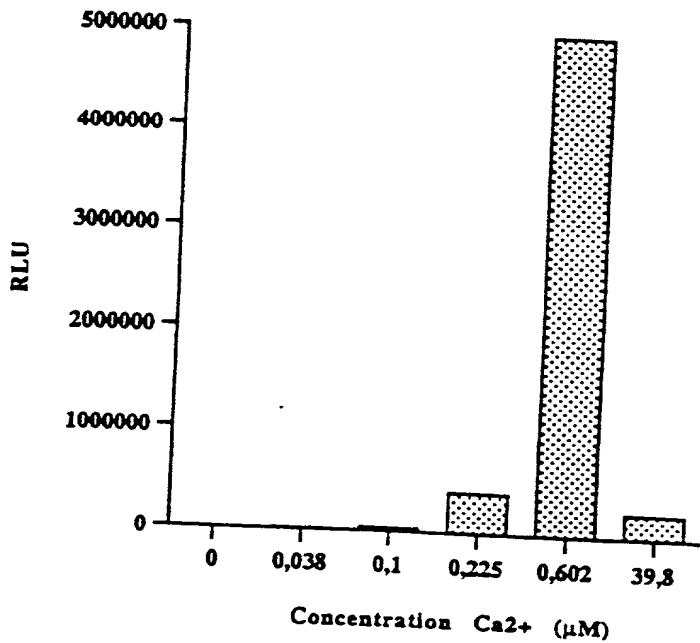
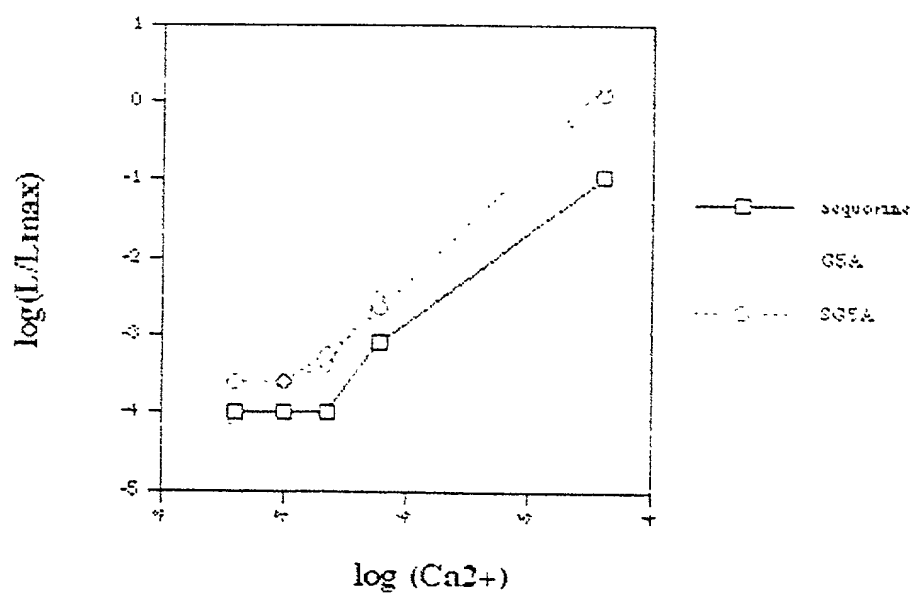
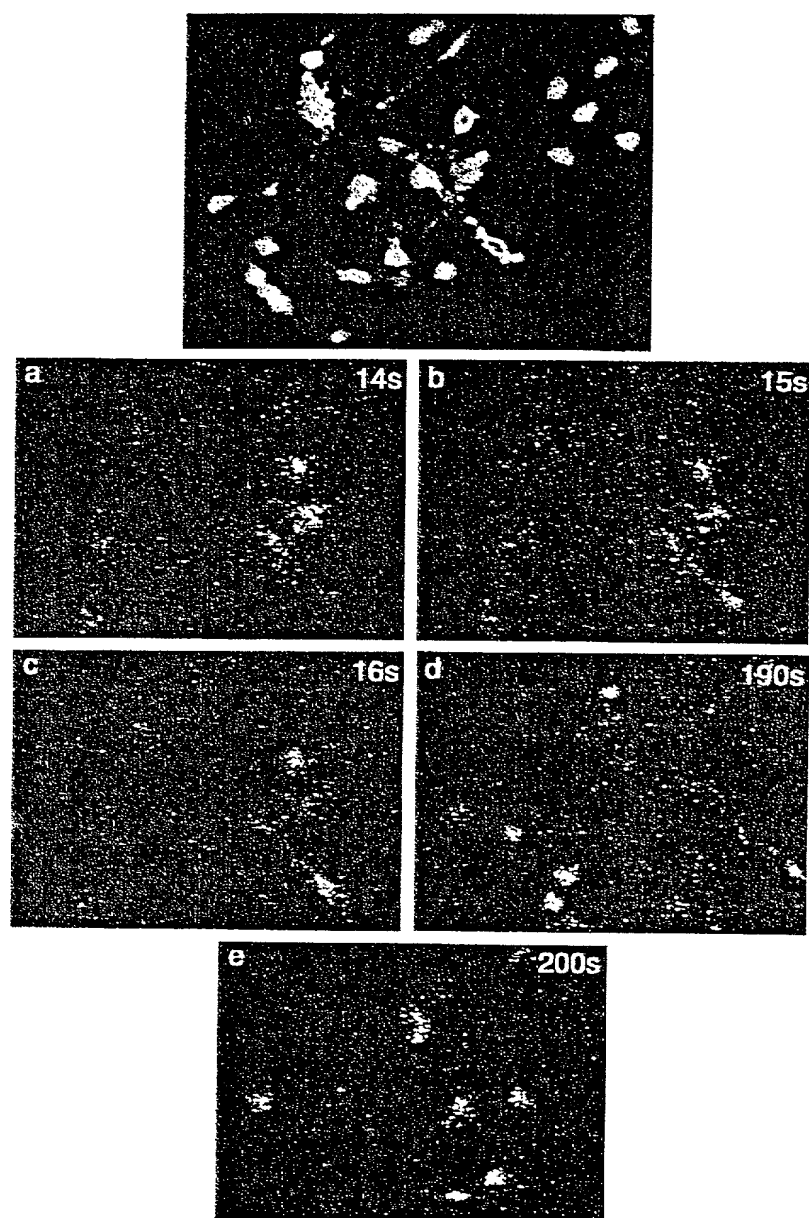


FIGURE 6



Calibration curves between the bioluminescent activity and  $\text{Ca}^{2+}$

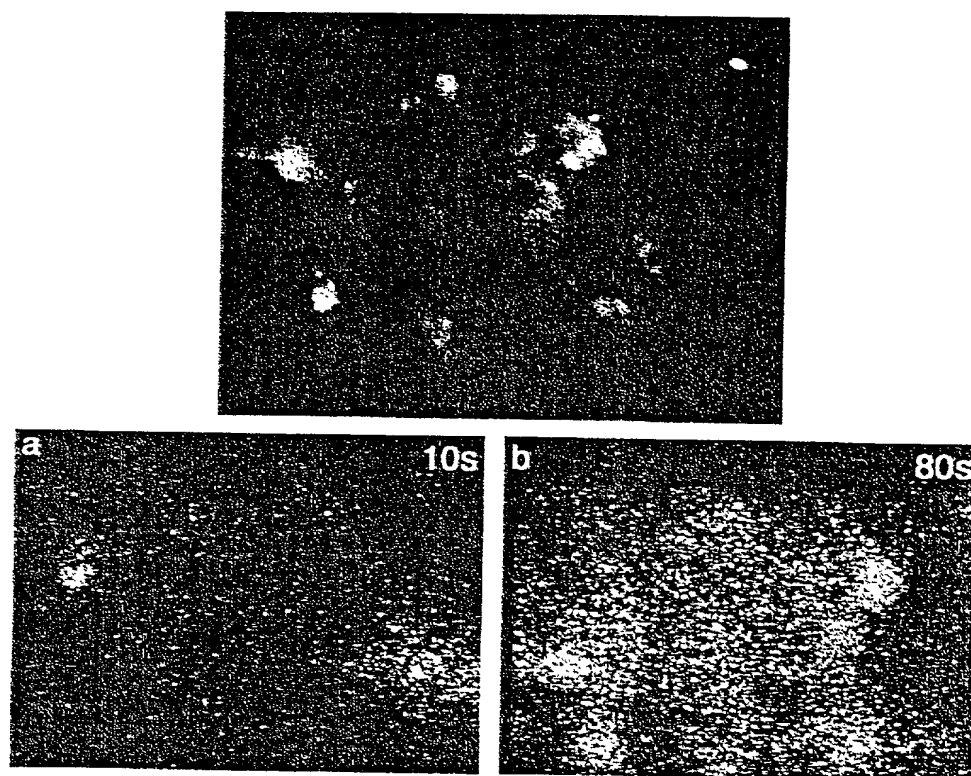
FIG. 7



Fluorescence and  $\text{Ca}^{2+}$ -induced bioluminescent activity  
in dissociated neurons in culture infected with adenoviral-G5A vectors.

FIG. 8

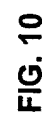




Fluorescence and  $\text{Ca}^{2+}$ -induced bioluminescent activities in dissociated neurons in culture infected with adenoviral-SG5A vectors.

FIG. 9

map1935a1



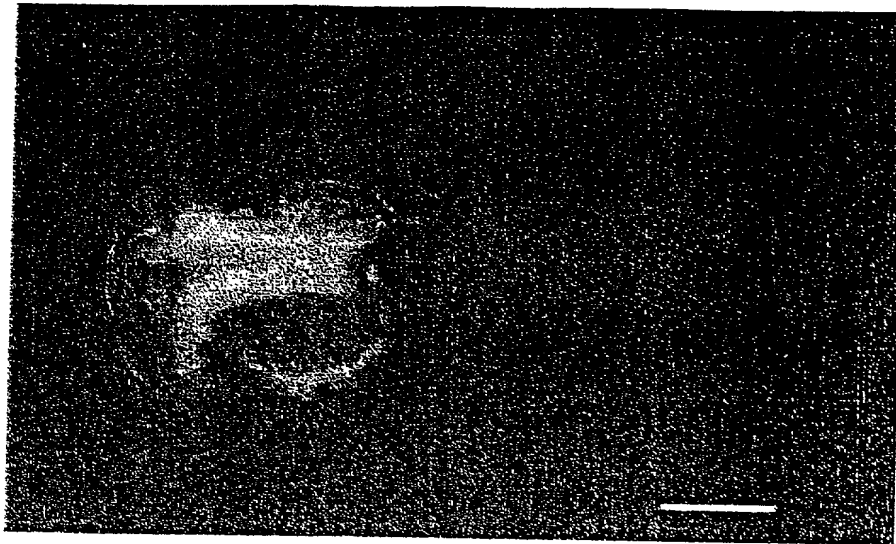


FIG. 11